

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number	10550026
Filing Date	2007-06-11
First Named Inventor	Bror Morein
Art Unit	1648
Examiner Name	Zachariah Lucas
Attorney Docket Number	ALBI-41848

## **U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

## **U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

## **FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10550026
Filing Date	2007-06-11
First Named Inventor	Bror Morein
Art Unit	1648
Examiner Name	Zachariah Lucas
Attorney Docket Number	ALBI-41848

1	SIGMA Product Information; techserv@sial.com; SAPONIN FROM QUILLAJA BARK PURIFIED; Sigma Prod. No. S4521; Case Number: 8047-15-2; October 25, 1996; pages 1-3	<input type="checkbox"/>
2	Hu, Ke-Fei et al., Immunostimulating Complexes (ISCOMs) for Nasal Vaccination; Elsevier Science B.V. Advanced Drug Delivery Reviews 51 (2001) pages 149-159	<input type="checkbox"/>
3	The European Agency for the Evaluation of Medicinal Products, Human Medicines Evaluation Unit; Committee for Proprietary Medicinal Products, Note for Guidance on Pharmaceutical and Biological Aspects of Combined Vaccines; London, July 23, 1998 pages 1-14	<input type="checkbox"/>
4	The European Medicines Agency, Evaluation of Medicines for Human Use; Committee for Medicinal Products for Human Use, Guideline on Adjuvants in Vaccines for Human Use; London, January 20, 2005 pages 1-18	<input type="checkbox"/>
5	Morein, B, et al.; Iscom, A Novel Structure for Antigenic Presentation of Membrane Proteins from Enveloped Viruses; Nature, Vol. 308, No. 5958, March 29, 1984; pages 457-460; Macmillan Journals Ltd., 1984	<input type="checkbox"/>
6	Takahashi, Hidemi et al.; Induction of CD8 Cytotoxic T cells by Immunization with Purified HIV-1 Envelope Protein in ISCOMs; Nature, Vol 344, April 26, 1990; pages 873-875	<input type="checkbox"/>
7	Chavali S., et al., An In Vitro Study of Immunomodulatory Effects of Some Saponins; International Society for Immunopharmacology, Vol. 9, No. 6, March 24, 1987, Great Britain, Pages 675-683,	<input type="checkbox"/>
8	Chavali S., et al., Adjuvant Effects of Orally Administered Saponins on Humoral and Cellular Immune Responses in Mice; Immunobiol., Vol 174, March 2, 1987, pages 347-359;	<input type="checkbox"/>
9	Roner, Michael R., et al., Antiviral Activity Obtained from Aqueous Extracts of the Chilean Soapbark Tree (Quillaja Saponaria Molina); Journal of General Virology, 2007, Vol. 88, pages 275-285	<input type="checkbox"/>
10	Rajput, Zahid Iqbal et al., Adjuvant Effects of Saponins on Animal Immune Responses; Journal of Zhejiang University Science B, 2007 Vol.8 (3) pages 153-161	<input type="checkbox"/>
11	Vaccine Development Overview; <a href="http://www.brown.edu/Courses/Bio_160/Projects1999/vaccineoverview">http://www.brown.edu/Courses/Bio_160/Projects1999/vaccineoverview</a> , June 16, 2009; pages 1-5	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10550026
Filing Date	2007-06-11
First Named Inventor	Bror Morein
Art Unit	1648
Examiner Name	Zachariah Lucas
Attorney Docket Number	ALBI-41848

12	Initiative for Vaccine Research, Live Attenuated Vaccines; World Health Organization, 2009, page 1	<input type="checkbox"/>
13	BCCDC Laboratory Services; A Guide to Selection and Use of Disinfectants; BC Centre for Disease Control, 2003, pages 1-18	<input type="checkbox"/>
14	Francis, George, et al., The Biological Action of Saponins in Animal Systems: A Review; British Journal of Nutrition (2002), Vol. 88, pages 587-506; The Authors 2002	<input type="checkbox"/>
15	<a href="http://www.patentstorm.us/patents/6177081/description.html">www.patentstorm.us/patents/6177081/description.html</a> ; Human and Marmoset Activation Viruses- US Patent 6177081	<input type="checkbox"/>
16	Sparg, S.G., et al. Biological Activities and Distribution of Plant Saponins; Journal of Ethno-Pharmacology; <a href="http://www.elsevier.com/locate/jethpharm">www.elsevier.com/locate/jethpharm</a> ; Vol 94 (2004), pages 219-243	<input type="checkbox"/>
17	Barr, Ian G., et al., ISCOMs (immunostimulating complexes): The first decade; CSL Limited, Parkville, Victoria, Australia; Immunology and Cell Biology (1996) Vol. 74, pages 8-25	<input type="checkbox"/>
18	Incorporation and live iscom-PubMed Results; <a href="http://www.ncbi.nlm.nih.gov/sites/entrez">http://www.ncbi.nlm.nih.gov/sites/entrez</a> ; June 14, 2009, pages 1-16	<input type="checkbox"/>
19	Iscom - PubMed Results; <a href="http://www.ncbi.nlm.nih.gov/sites/entrez">http://www.ncbi.nlm.nih.gov/sites/entrez</a> , June 14, 2009, pages 1-3	<input type="checkbox"/>
20	Incorporation and iscom - PubMed Results; <a href="http://www.ncbi.nlm.nih.gov/sites/entrez">http://www.ncbi.nlm.nih.gov/sites/entrez</a> , June 14, 2009, pages 1-3	<input type="checkbox"/>
21	Viruses, Bacterial and Fungi, Sizes and Significance; Ion Life, <a href="http://www.ionizers.org">http://www.ionizers.org</a> ; June 16, 2009, pages 1-4	<input type="checkbox"/>
22	Fohlman, Jan et al., Vaccination of Balb/c mice against enteroviral mediated myocarditis; Vaccine, Vol. 8, August 1990; Butterworth-Heinemann Ltd; pages 381-384	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10550026
Filing Date	2007-06-11
First Named Inventor	Bror Morein
Art Unit	1648
Examiner Name	Zachariah Lucas
Attorney Docket Number	ALBI-41848

	23		<input type="checkbox"/>
--	----	--	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.